Product name: Turbo Rot-Fix

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **Turbo Rot-Fix**

Recommended use of the chemical
Identified uses: Used to penetrate, restore and waterproof rotted timber

COMPANY IDENTIFICATION

Manufacturer: **Chemical Specialties Ltd**
116 Princes St
Onehunga
Auckland, New Zealand

Australian Importer: **Tradeware**
45 Birralee Rd
Regency Park, SA 5010
Phone: 1300 658 494

Customer Information Number: 0064 9 636 8618

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: +64 21 486121

Local Emergency Contact: +64 21 486121

New Zealand: **For medical advice, contact the New Zealand Poisons Information Centre:** 0800 POISON (0800 764766)
Transport Emergency Only Dial 111

Australia: **For advice, contact a doctor (at once) or the Australian Poisons Information Centre:** 131 126
Transport Emergency Only Dial 000

2. HAZARDS IDENTIFICATION

GHS Classification Not classified as hazardous according to the criteria of the Work Health and Safety Regulations, Australia and New Zealand.

Other hazards
No data available. Product becomes sticky as it dries. Therefore KEEP AWAY FROM CHILDREN

Disposal
Dispose of large contents/ container to an approved waste disposal plant.
For small retail quantities dispose by dilution with water then flush down a toilet sewer.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Component	CAS NO.	Concentration
Octylphenoxypolyethoxyethanol	9036-19-5	>= 0.3 - < 1.0 %
Methanol	67-56-1	Between 1 and 3%
Urethane-modified acrylic resin emulsion		40 to 50%

4. FIRST AID MEASURES

Description of first aid measures
Inhalation: Move to fresh air.

Skin contact: Wash with water and soap before it dries as a precaution. If skin irritation persists, call a physician.

Eye contact: Rinse immediately before it dries with plenty of water. Apply a salve like Optrex in an eye-bath if stinging occurs after rinsing. If eye irritation persists, consult a specialist.

Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed
Notes to physician: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIREFIGHTING MEASURES

Hazchem Code: None Allocated

Suitable extinguishing media: Does not burn. So use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: No data available

Special hazards arising from the substance or mixture - None

Hazardous combustion products: No data available

Unusual Fire and Explosion Hazards: Material can splatter above 100C/212F.

Advice for fire fighters

Fire Fighting Procedures: No data available

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit. Product is sticky when dried. Wash off with water while still wet.

6. ACCIDENTAL RELEASE MEASURES

For Major releases of large quantities
Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Material can create slippery conditions.

Environmental precautions: CAUTION: Keep large spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods and materials for containment and cleaning up: Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep containers tightly closed.
Conditions for safe storage: Keep from freezing - product stability may be affected.
Storage stability
Storage temperature: 1 - 49 °C
Other data: Monomer vapours can be evolved when material is heated.
See SECTION 8, for types of ventilation required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.
Exposure controls. None Known
Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.
Individual protection measures
Eye/face protection: Safety glasses with side-shields
Skin protection
Hand protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves
Other Information: For large commercial quantities selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:
AS/NZS 1336: Eye and face protection – Guidelines.
AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.
AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.
AS/NZS 2161: Occupational protective gloves.
AS/NZS 2210: Occupational protective footwear.
AS/NZS 4501: Occupational protective clothing set.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	liquid
Color	milky white
Odor	acrylic-like
Odor Threshold	No data available
Ph	9.3 - 10.2
Melting point/range	0 °C Water
Freezing point	No data available
Boiling point (760 mmHg)	100 °C Water
Flash point	Non-combustible
Evaporation Rate (Butyl Acetate= 1)	<1 Water
Flammability (solid, gas)	Not Applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor Pressure	17 mmHg at 20 °C Water
Relative Vapor Density (air = 1)	<1 Water
Relative Density (water = 1)	1 - 1.2
Water solubility	infinitely dilutable
Partition coefficient: octanol/water	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Dynamic Viscosity	2 to 10 mPa.s
Kinematic Viscosity	No data available
Explosive properties	None
Oxidizing properties	None
Molecular weight	No data available
Percent volatility	60 % Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable

Possibility of hazardous reactions: None known.

Conditions to avoid: No data available

Incompatible materials: There are no known materials which are incompatible with this product.

Hazardous decomposition products: Thermal decomposition may yield acrylic monomers.

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity
LD50, Rat, > 10,000 mg/kg

Acute dermal toxicity
LD50, Rabbit, > 10,000 mg/kg

Acute inhalation toxicity
Product test data not available. Refer to component data.

Skin corrosion/irritation

May cause transient irritation.

Serious eye damage/eye irritation
possible eye irritation

Sensitization
Product test data not available. Refer to component data.

Specific Target Organ Systemic Toxicity (Single Exposure)
Product test data not available. Refer to component data.

Specific Target Organ Systemic Toxicity (Repeated Exposure)
Product test data not available. Refer to component data.

Carcinogenicity
Product test data not available. Refer to component data.

Teratogenicity
Product test data not available. Refer to component data.

Reproductive toxicity
Product test data not available. Refer to component data.

Mutagenicity
Product test data not available. Refer to component data.

Aspiration Hazard
Product test data not available. Refer to component data.

Additional information
No data are available for this material. The information shown is based on profiles of compositionally similar materials.

COMPONENTS INFLUENCING TOXICOLOGY:

Octylphenoxypolyethoxyethanol

Acute inhalation toxicity
The LC50 has not been determined.

Sensitization

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)
In animals, effects have been reported on the following organs: Liver.

Carcinogenicity
No relevant data found.

Teratogenicity
Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity
No relevant data found.

Mutagenicity
In vitro genetic toxicity studies were negative.

Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

General Information
There is no data available for this product.

Ecotoxicity

Octylphenoxypolyethoxyethanol
Acute toxicity to fish
Material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in the most sensitive species tested).
LC50, Pimephales promelas (fathead minnow), 96 Hour, > 60 mg/l

Acute toxicity to aquatic invertebrates
LC50, Daphnia magna, 48 Hour, > 1,000 mg/l

Toxicity to bacteria
IC50, Bacteria, 16 Hour, Respiration rates., 1,000 - 2,400 mg/l

Persistence and degradability

Octylphenoxypolyethoxyethanol
Biodegradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not Biodegradable under environmental conditions.

Theoretical Oxygen Demand: 1.9 - 1.95 mg/mg Estimated.

Chemical Oxygen Demand: 2.0 mg/mg Estimated.

Bioaccumulative potential

Octylphenoxypolyethoxyethanol
Bioaccumulation: No relevant data found.

Mobility in Soil

Octylphenoxypolyethoxyethanol
No relevant data found.

Results of PBT and vPvB assessment

Octylphenoxypolyethoxyethanol
This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).
Other adverse effects

Octylphenoxypolyethoxyethanol
This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Retail packs: dilute with water and flush down sewer. Large commercial quantities: Coagulate the emulsion by the stepwise addition of ferric chloride and lime.
Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

Waste handling, treatment and disposal practices must be in compliance with the New Zealand Hazardous Substances (Disposal) Notice 2017. Additional local requirements may be applicable in accordance with planning controls under the Resource Management Act. Regulations concerning waste management may vary in different locations.
This product when disposed of in its unused and uncontaminated state should be treated as a non-hazardous waste.

14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport:
Not regulated for transport

Classification for SEA transport (IMO-IMDG):
Not regulated for transport
Transport in bulk Consult IMO regulations before transporting ocean bulk
according to Annex I or II
of MARPOL 73/78 and the
IBC or IGC Code

Classification for AIR transport (IATA/ICAO):
Not regulated for transport

Hazchem Code
None Allocated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

New Zealand. Inventory of Chemical Substances
The hazardous components of this product are listed in the New Zealand Inventory of Chemicals (NZIoC) or the product otherwise complies with the requirements of the Hazardous Substances and New Organisms (HSNO) Act 1996.

Australia: AICS: All of the significant ingredients in this product are compliant with NICNAS Regulations.

HSNO Controls
Certified Handler not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory;TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System.

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